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ABSTRACT

In North Carolina schools, the grade 10 writing assessment will be given once a year in the spring semester to all 10th-grade students. This change from an English II End-of-Course Test to a grade-specific test emphasizes the need for writing across the curriculum. This document is designed to illustrate correlation between high school courses and the new grade 10 writing assessment. The document notes that a good writing program extends beyond the English Language Arts classroom, and the writing assessment should be based on students' experiences up to the day of the assessment, as well as relate to students' future writing--therefore, course normally taken in grades 9, 11 and 12 have been included in the matrix. In the document, correlation to goals and objectives has been identified for high school courses in each discipline area; below the course objectives, one or more related assignments have been given. According to the document, these assignments address the types of writing in the specific context of the course. Some discipline areas (such as Healthful Living) include the most popular (or required courses) with several examples of assignments, while other areas (such as Dance) include several courses, with one example for each. In either case, the examples are designed to illustrate how all areas can and do ask students to define concepts, explain problems and propose solutions, and analyze cause-effect relationships. (NKA)

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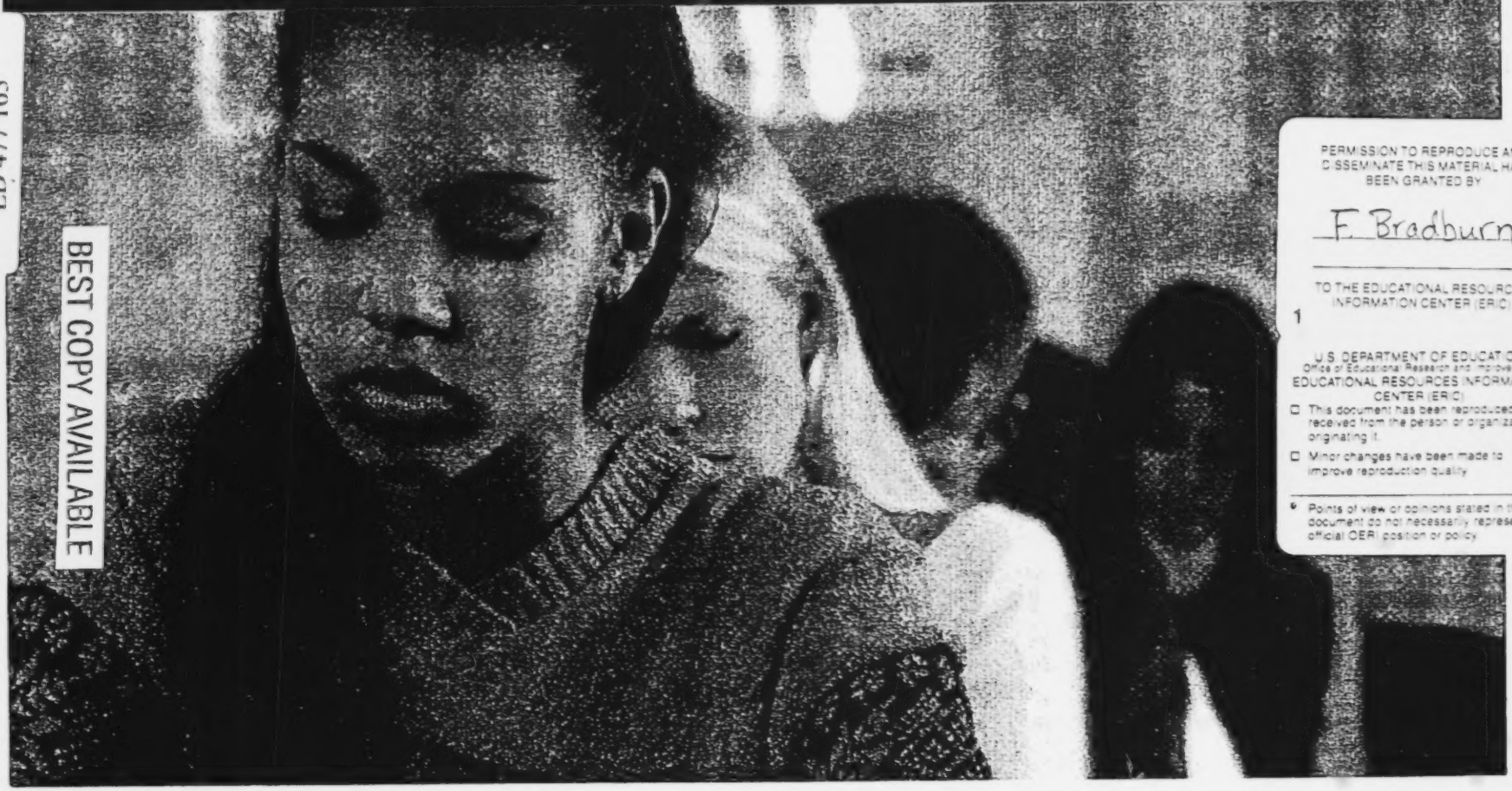
Informational Writing

High School Writing Across the Curriculum Matrix



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High School Informational Writing Across the Curriculum Matrix

Purpose:
This document is designed to illustrate correlation between high school courses and the new Grade 10 writing assessment (scheduled to be piloted in 2002-2003).

Background:
The Grade 10 writing assessment will be given once a year in the spring semester to all tenth-grade students. This change from an English II End-of-Course Test to a grade-specific test emphasizes the need for writing across the curriculum. Additionally, the test has changed from literary analysis to information-based writing, including definition (English I, 2.02), problem-solution (English II, 2.01) and cause-effect (English II, 2.02). While informational writing is the focus in English II, the assessment clearly relates to concepts and writing in other courses.

As the *NC English Language Arts Standard Course of Study* emphasizes, students should write for "different purposes, to different audiences, and in different contexts." (p. 71) A good writing program extends beyond the English Language Arts classroom, and the writing assessment should be based on students' experiences up to the day of the assessment, as well as relate to students' future writing. Therefore, courses normally taken in Grades 9, 11 and 12 have been included in the matrix.

Organization of Matrix:
Correlation to goals and objectives has been identified for high school courses in each discipline area. These connections may relate to developing skills and features of good writing (such as supporting ideas or organization) or to the tasks of defining concepts, explaining problems and proposing solutions, and/or analyzing cause-effect relationships.

Below the course objectives, one or more related assignments have been given. These assignments address the types of writing in the specific context of the course. Some discipline areas (such as Healthful Living) include the most popular (or required courses) with several examples of assignments. Other areas (such as Dance) include several courses, with one example for each. In either case, the examples are designed to illustrate how all areas can and do ask students to define concepts, explain problems and propose solutions, and analyze cause-effect relationships.

Arts Education

Dance

	Dance I	Dance II	Dance III	Dance IV	Special Topics Dance I	Special Topics Dance II
NCSCS Objectives which support writing features and/or informational writing types (definition, cause-effect, and problem-solution)	2.01, 2.03, 2.04, 2.05, 2.06, 2.08, 3.02, 3.03, 4.02, 5.01, 5.02, 5.03, 6.02, 6.04, 7.01, 8.04	1.04, 2.01, 2.03, 2.04, 2.05, 2.06, 2.07, 2.08, 3.01, 3.02, 3.03, 4.01, 5.01, 5.02, 5.03, 6.03, 6.04, 7.01, 7.03, 8.03	2.01, 2.03, 2.04, 2.05, 2.06, 2.07, 2.08, 3.01, 3.02, 3.03, 4.01, 5.01, 5.02, 5.03, 6.02, 6.03, 6.04, 7.01, 7.02, 7.03, 7.04, 8.02	1.02, 1.04, 1.05, 2.03, 2.04, 2.05, 3.01, 3.02, 3.03, 4.01, 4.03, 5.01, 5.02, 5.03, 6.02, 6.03, 7.01, 7.02, 7.03, 7.05, 8.03, 8.04	1.04, 2.02, 2.04, 2.05, 2.07, 3.02, 3.03, 4.01, 4.02, 5.01, 5.02, 5.03, 6.04, 7.01	1.04, 2.02, 2.04, 2.05, 2.06, 2.07, 3.02, 3.03, 4.01, 4.02, 4.03, 5.01, 5.02, 5.03, 6.03, 6.04, 7.01, 8.03
Example Assignments	**Cause-Effect:** What are the effects of various stimuli (visual, auditory, tactile, kinesthetic) on dance movements?	**Definition:** How is the human body used as a tool for communication in dance?	**Cause-Effect:** How are technical and theatrical elements used to influence interpretation and meaning in dance?	**Problem-Solution:** Many professional dancers do not take good care of their bodies. Explain the challenges dancers face and offer steps they can take to help take care of their bodies to achieve personal dance goals.	**Problem-Solution:** Explore movement possibilities within a given structure or problem to determine the best course of action.	**Cause-Effect:** What are some of the possible effects of cultural expectations of what the human body should look like on a dancer's personal health and fitness?

Arts Education
Music

	General Music	Vocal Music I	Vocal Music II	Vocal Music III	Vocal Music IV
NCSCS Objectives which support writing features and/or informational writing types (definition, cause-effect, and problem-solution)	3.01, 4.01, 4.02, 4.03, 5.02, 7.03, 7.04, 8.01, 8.02, 9.02, 9.03	4.01, 4.02, 4.03, 5.04, 7.03, 7.04, 8.02, 8.03, 9.02	3.01, 4.01, 4.02, 4.03, 7.03, 7.04, 8.01, 8.02, 8.03, 9.02, 9.03	3.02, 3.02, 4.01, 4.02, 4.03, 7.03, 7.04, 8.01, 8.02, 9.02, 9.03	3.01, 4.01, 4.02, 4.03, 5.05, 7.03, 7.05, 8.01, 8.02, 9.02, 9.03
		Instrumental Music I	**Instrumental Music II**	**Instrumental Music III**	**Instrumental Music IV**
		4.01, 4.02, 4.03, 5.04, 7.03, 7.04, 8.02, 8.03, 9.02	3.01, 4.01, 4.02, 4.03, 7.03, 7.04, 8.01, 8.02, 8.03, 9.02, 9.03	3.01, 3.02, 4.01, 4.02, 4.03, 7.03, 7.04, 8.01, 8.02, 9.02, 9.03	3.01, 4.01, 4.02, 4.03, 5.05, 7.03, 7.05, 8.01, 8.02, 9.02, 9.03
Example Assignments	**Cause-Effect:** Explain some of the ways that music reflects history.	**Problem-Solution:** The role of music is often perceived as entertainment and is sometimes eliminated from school programs for that reason. Write a letter to the school board explaining this problem and provide justification for why music programs should not be eliminated from the schools.	**Cause-Effect:** Describe the effects of a political event in US history on the music of that time period.	**Problem-Solution:** You need to buy a trombone for band class. What are some ways you can research various vendors to determine the best economic value for your purchase?	**Definition:** Define aesthetics in music.

Arts Education
Theatre Arts

	Theatre Arts I	Theatre Arts II	Theatre Arts III	Theatre Arts IV	All Other Electives
NCSCS Objectives which support writing features and/or informational writing types (definition, cause-effect, and problem-solution)	1.01, 1.02, 1.03, 1.04, 1.05, 2.03, 2.05, 2.12, 2.17, 2.18, 2.21, 2.22, 2.23, 3.03, 3.04, 3.05, 3.06, 4.01, 4.02, 4.03, 5.02, 5.04, 5.05, 6.01, 6.02, 7.02, 7.03, 7.04, 8.01, 8.02, 8.03	1.01, 1.02, 1.03, 1.04, 1.05, 1.06, 1.07, 1.08, 1.09, 1.10, 1.11, 2.09, 2.13, 2.14, 3.01, 4.01, 4.02, 4.03, 5.01, 5.03, 5.04, 6.01, 6.03, 7.01, 7.02, 8.02, 8.03, 8.04	1.01, 1.02, 1.03, 1.04, 1.05, 1.06, 2.03, 2.07, 2.09, 2.12, 3.02, 3.03, 3.04, 4.01, 4.02, 4.04, 4.05, 4.06, 5.01, 5.02, 6.01, 6.02, 6.03, 7.01, 7.02, 8.01, 8.02, 8.03	1.01, 1.02, 1.03, 1.04, 1.05, 2.06, 2.07, 2.10, 2.13, 3.02, 3.03, 3.04, 3.05, 4.01, 4.02, 4.03, 5.01, 5.02, 5.03, 6.01, 6.02, 6.03, 7.01, 8.02	1.01, 1.02, 1.03, 2.01, 3.01, 3.02, 4.01, 4.02, 4.03, 5.01, 5.02, 5.03, 5.04, 6.01, 6.02, 7.01, 8.01, 8.02, 8.03
Example Assignments	**Definition:** Compare and contrast the structure of a play in relationship to that of a musical. (Related content: *Romeo and Juliet* and *West Side Story*)	**Cause-Effect:** Distinguish the connotative (subtext) and the denotative meaning of the language in a short scene to determine the central dramatic question.	**Cause-Effect:** How many different things might have happened if King Lear in Shakespeare's play, *King Lear*, had not trusted his daughters to be considerate of him in old age?	**Problem-Solution:** Determine, describe and justify at least five different plausible styles and/or periods in which the costumes could be designed for the same production.	**Cause-Effect:** Select one particular time and location in history and discuss the impact history and theatre had upon each other.

Arts Education
Visual Arts

	Visual Arts I	Visual Arts II	Visual Arts III	Visual Arts IV	All Other Electives
NCSCS Objectives which support writing features and/or informational writing types (definition, cause-effect, and problem-solution)	1.03, 1.04, 1.05, 1.07, 2.01, 3.01, 3.02, 3.03, 3.04, 3.05, 3.06, 4.04, 4.05, 5.03, 5.04, 5.05, 5.06, 6.01, 6.02, 6.04, 6.05, 6.06, 6.07, 6.08, 7.01, 7.02, 7.03, 7.04, 7.05, 8.01, 8.02, 8.03	1.03, 1.05, 1.07, 3.01, 3.02, 3.03, 3.04, 3.05, 3.06, 4.04, 4.05, 5.02, 5.03, 5.04, 5.05, 5.06, 6.02, 6.04, 6.06, 6.08, 7.01, 7.02, 7.03, 7.04, 8.01, 8.02	1.03, 1.05, 1.07, 3.01, 3.02, 3.03, 3.04, 3.05, 3.06, 4.04, 4.05, 5.02, 5.03, 5.04, 5.05, 5.06, 6.02, 6.04, 6.05, 6.06, 6.08, 7.01, 7.02, 7.04, 8.01, 8.02	1.03, 1.05, 1.07, 3.01, 3.02, 3.03, 3.04, 3.05, 3.06, 4.04, 4.05, 5.02, 5.03, 5.04, 5.05, 5.06, 6.02, 6.04, 6.05, 6.06, 6.07, 6.08, 7.01, 7.02, 7.03, 7.04, 8.01, 8.02	1.05, 3.04, 3.05, 4.04, 5.02, 5.03, 5.04, 5.05, 5.06, 6.01, 6.02, 6.05, 6.06, 7.01, 7.02, 7.03, 7.04, 8.01, 8.02
Example Assignments	**Definition:** Define the elements of art by identifying and explaining how the elements have been beneficially used in various known works of art.	**Cause-Effect:** Describe how Claude Monet's personal experiences influenced the subject and style of his painting.	**Problem-Solution:** If you had lived in the Golden Age of Greece, what styles and forms of art might you have created to depict everyday life?	**Cause-Effect:** Select one geographical location in a particular time period and relate how many ways the history, purpose and function of the culture are reflected in the art.	**Problem-Solution:** What is Diego Rivera trying to communicate through his 1935 fresco entitled *History of Mexico* and how many different events from Mexico's history can you identify that are depicted to help send his message?

Computer/Technology Skills

	Computer/Technology Skills		
NCSCS Objectives which support writing features and/or informational writing types (definition, cause-effect, and problem-solution)	1.1, 1.2, 3.4		
Example Assignments	**Definition:** Define intellectual property.	**Cause-Effect:** Explain skills workers need in complex technology environments.	**Problem-Solving:** Select and use appropriate technology tools to locate, organize, analyze and present findings about the effects of global warming on animal migration patterns.

English Language Arts

	English I	English II	English III	English IV
NCSCS Objectives which support writing features and/or informational writing types (definition, cause-effect, and problem-solution)	1.01, 1.02, 2.01, 2.02, 2.04, 3.01, 3.02, 3.03, 4.01, 5.01, 6.01, 6.02	1.02, 2.01, 2.02, 2.03, 3.01, 3.02, 3.03, 4.01, 4.02, 4.03, 4.04, 5.01, 6.01, 6.02	1.02, 2.01, 2.03, 3.01, 3.02, 3.03, 4.01, 4.03, 5.01, 6.01, 6.02	1.01, 1.02, 2.01, 2.02, 2.03, 3.01, 3.02, 4.01, 4.02, 5.01, 6.01, 6.02
Example Assignments	**Definition:** Many teenagers express a need for more independence than their parents feel is appropriate. Given our recent readings, events in the news, and/or your own experiences and observations, define the differences between independence and rebellion.	**Cause-Effect:** We have read about people around the world who have faced choices about how to change their ways of life. Given those readings, current events, and/or your own experiences and observations, explore the causes and effects of civil disobedience.	**Cause-Effect:** Explain how a specific historical event may generate American civil disobedience.	**Problem-Solution:** Given the recent events, what options does the government have to ensure security for its citizens while protecting civil liberties?

Healthful Living

	Health Education			Physical Education		
NCSCS Objectives which support writing features and/or informational writing types (definition, cause-effect, and problem-solution)	1.04, 1.05, 1.06, 2.03, 3.01, 3.02, 3.03, 3.05, 3.06, 3.09, 4.01, 4.05, 4.06, 5.01, 5.03, 5.04, 5.05, 5.07, 6.02, 6.03, 6.06, 6.07			7.01, 7.02, 7.04, 7.05, 7.06, 8.02, 8.03, 8.04, 8.06, 9.02, 9.03, 10.01, 10.04, 11.01, 11.02, 12.02, 12.03, 12.04, 12.05		
Example Assignments	**Cause-Effect:** Physical activity and nutrition have numerous physiological effects on the body. Describe the benefits of balanced nutrition and physical activity and the negative consequences of lack of physical activity and poor nutrition.	**Problem-Solving:** Create a role-play using conflict resolution skills to resolve a problem between two friends.	**Definition:** Explain some of the signs of an unhealthy relationship. Use that information to create an awareness ad for healthful dating relationships.	**Cause-Effect:** Evaluate what you know about the role of physical activity in a diverse society. Explain why certain sports seem to be more popular than others and how the culture influences the popularity of the sport.	**Problem-Solving:** Collect data or stats on your team during play. Use the data to develop a course of action in order to improve play and chances of winning.	**Definition:** Identify roles and duties for each person on a team. Engage in various duties as they pertain to games and sports such as officiating, judging, or refereeing and develop a means to evaluate the duties performed.

Information Skills

	Information Skills		
NCSCS Objectives which support writing features and/or informational writing types (definition, cause-effect, and problem-solution)	1.06, 2.04, 2.06, 3.01, 3.04, 3.05, 4.02, 4.03, 4.09, 5.02, 5.03		
Example Assignments	**Definition:** Develop a presentation that the media center can use to explain ethical use of resources to incoming students.	**Cause-Effect:** Explain how various forms of media influence public opinion during America's War on Terrorism.	**Problem-Solution:** Identify potential research processes to investigate an environmental issue and explain why you will select one of them for your project.

Mathematics Education

	Algebra I	Geometry	Algebra II	Technical Math 1	Technical Math 2
NCSCS Objectives which support writing features and/or informational writing types (definition, cause-effect, and problem-solution)	3.01, 3.02, 3.03, 3.04, 3.05b, 3.08b, 4.01, 4.03	2.04, 2.05, 2.07, 2.08	3.01, 3.02, 3.05e, 3.06, 3.07c, 3.08, 3.10d, 3.11c, 3.13, 3.14c, 3.17d, 4.01, 4.02	2.04, 3.04e, 3.04f, 4.01, 4.02	2.05, 2.06, 2.07, 3.02, 4.02, 4.03
Example Assignments	**Definition:** Find the slope and describe it in the context of the problem.	**Problem-Solution:** Construct proofs.	**Definition:** Find zeros, intercepts, and turning points of a function and describe them in the context of the problem.	**Definition:** Describe and interpret data based on measures of central tendency and variance.	**Cause-Effect:** Find the curve of best-fit; interpret the constants, coefficients, and bases in the context of the problem.

Science Education

	Biology	Chemistry	Earth/ Environmental Science	Physics	Physical Science
NCSCS Objectives which support writing features and/or informational writing types (definition, cause-effect, and problem-solution)	1.01, 1.02, 1.03, 1.04, 1.05, 2.01, 2.02, 2.03, 2.04, 2.05, 2.06, 3.01, 3.02, 3.03, 3.04, 3.05, 4.01, 4.02, 4.03, 4.04, 4.05 5.01, 5.02, 5.03, 5.04, 5.05	3.01, 3.05, 4.02	1.01, 1.03, 4.02	6.05, 8.03	2.03, 4.03
Example Assignments	**Definition:** Compare and contrast the structure and function prokaryotic and eukaryotic cells.	**Cause-Effect:** The odds of obtaining heads and tails are 50:50 when flipping a coin repeatedly. Explain why the process does not produce a perfectly ordered pattern of heads and tails.	**Cause-Effect:** Assess the importance of the economic development of earth's finite rock, mineral, fossil fuel and other natural resources to society and our daily lives.	**Problem-Solution:** Suppose on a perfectly calm day a sailing devotee decides to bring a large and powerful battery-operated fan on board to provide a breeze to move his boat; would the fan be most effective if the sail is up (furled) or down (unfurled)?	**Cause-Effect:** Compare and contrast the frequency and wavelength of sound produced by a fixed source with a moving source of sound, the Doppler Effect.

Second Languages Education

	Foreign Language I	Foreign Language II	Foreign Language III	Foreign Language IV
NCSCS Objectives which support writing features and/or informational writing types (definition, cause-effect, and problem-solution)	1.04, 1.05, 2.04, 3.01, 3.02, 3.03, 4.02, 4.03, 4.05, 5.06, 5.07, 5.08, 5.09, 5.10, 6.01, 6.02, 7.02	1.03, 1.04, 2.04, 2.05, 3.01, 3.02, 3.03, 3.06, 3.07, 4.02, 4.04, 4.05, 4.06, 4.07, 5.03, 5.08, 5.11, 6.01, 6.04, 7.02	1.01, 1.02, 1.03, 2.04, 2.05, 2.06, 3.01, 3.02, 3.03, 3.05, 4.02, 4.04, 4.05, 4.06, 4.07, 4.08, 5.03, 5.08, 5.09, 6.02, 6.04, 7.02	1.01, 1.02, 1.03, 1.05, 2.04, 2.05, 2.06, 3.01, 3.02, 3.03, 3.04, 3.05, 3.07, 4.02, 4.04, 4.05, 4.06, 4.07, 4.08, 5.03, 5.05, 5.06, 5.07, 5.08, 5.09, 6.02, 6.03, 6.04, 7.02
Example Assignments	**Problem-Solution:** You have not been eating well lately. As a result you are not feeling well and you have put on some extra weight. In the target language, devise a menu for one week that would provide a healthy, balanced diet.	**Definition:** You have heard that American and French/Spanish/German families are different. In the target language, write an article about American families for a French/Spanish/German magazine.	**Problem-Solution:** What solution(s) do you suggest to address the stereotypes of speakers of other languages and/or cultures held by many people in this country? (To be written in the target language.)	**Cause-Effect:** Explain how the recent (2002) elections in France will impact the country. (To be written in the target language.)

Social Studies Education

	World History	Civics & Economics	United States History
NCSCS Objectives which support writing features and/or informational writing types (definition, cause-effect, and problem-solution)	1.06, 2.01, 2.02, 2.03, 2.04, 2.05, 2.06, 2.07, 2.08, 3.01, 3.02, 3.03, 3.04, 3.05, 3.06, 3.07, 4.01, 4.02, 4.03, 4.04, 4.05, 5.01, 5.02, 5.03, 5.04, 5.05, 6.01, 6.02, 6.03, 6.04, 6.05, 6.06, 7.01, 7.02, 7.03, 7.04, 8.01, 8.02, 8.03, 8.04, 8.05, 8.06,	2.02, 2.03, 2.04, 2.05, 2.06, 2.08, 2.09, 3.02, 3.03, 3.04, 3.05, 3.06, 3.08, 3.09, 4.01, 4.02, 4.03, 4.04, 4.05, 4.06, 4.07, 5.01, 5.03, 5.04, 5.05, 5.06, 6.01, 6.02, 6.05, 6.06, 6.07, 6.08, 7.01, 7.02, 7.03, 7.04, 7.05, 7.06, 8.01, 8.02, 8.03, 8.05, 8.06, 8.08, 8.09, 9.02, 9.03, 9.04, 9.05, 9.06, 9.07, 9.08, 10.01, 10.02, 10.03	1.03, 2.01, 2.02, 2.04, 2.06, 3.01, 3.02, 3.04, 3.05, 4.01, 4.02, 4.03, 4.04, 5.01, 5.02, 5.03, 5.04, 6.01, 6.03, 7.01, 7.02, 7.03, 7.04, 8.01, 8.03, 9.01, 9.02, 9.03, 9.04, 9.05, 10.01, 10.03, 10.04, 10.05, 10.05, 11.01, 11.02, 11.05, 12.01, 12.02, 12.05, 12.06
Example Assignments	**Definition:** Define history and the concepts of cause and effect, time, continuity, and perspective.	**Cause-Effect:** Explain how changes in the level of competition can affect price and output levels.	**Problem–Solution:** Select a major social movement such as one involving women, young people, or the environment. Explain the problem faced and evaluate the choices made by the groups involved in order to solve that problem.

Workforce Development (Career and Technical) Education

Agricultural Education

	Horticulture I	Horticulture II	Environmental & Natural Resources I	Environmental & Natural Resources II
NCSCS Objectives which support writing features and/or informational writing types (definition, cause-effect, and problem-solution)	1.01,1.02, 2.01, 2.02, 3.01, 3.02, 4.01, 4.02, 5.01, 5.02, 6.01, 6.02, 7.02, 9.01, 9.02, 13.01, 13.02, 14.01, 14.02, 17.01, 18.01, 18.02, 19.02, 21.02, 24.02, 25.01, 25.02, 25.03, 29.01, 30/02, 32.02, 33.02	1.01, 2.01, 2.02, 3.01, 3.02, 4.01, 4.02, 5.01, 5.02, 5.03, 6.01, 6.02, 7.01, 7.02, 8.01, 8.02, 9.01, 9.02, 10.01, 10.02, 11.01, 11.02, 11.03, 12.01, 16.01, 16.02, 16.03, 17.01, 18.02, 19.02, 20.01, 20.02, 29.01, 29.02, 31.02, 33.01, 34.01, 34.02, 39.02, 43.01, 43.02, 44.01, 44.02, 45.01, 45.02, 46.01, 47.01, 47.02, 48.02, 53.01, 53.02, 54.02	1.01, 1.02, 1.03, 2.01, 2.02, 5.01, 5.02, 5.03, 6.01, 6.02, 6.04, 7.01, 7.03, 8.02, 8.03, 10.01, 10.02, 11.02, 12.01, 12.07, 12.08, 12.09, 13.01, 13.02, 13.03, 13.04, 14.01, 14.02, 16.01, 16.02, 17.02, 17.03, 17.04, 17.05, 18.01, 20.02, 20.04	1.01, 1.02, 2.01, 2.03, 2.04, 3.03, 4.01, 4.03, 4.04, 5.02, 6.02, 6.03, 7.02, 8.01, 9.01, 9.02, 10.02, 10.03, 11.01, 13.02, 26.01, 16.02, 16.03, 17.01, 17.02, 17.03, 18.02, 18.03, 18.05, 20.01, 20.02, 21.01, 21.02, 21.03, 21.06, 22.02, 22.04, 23.04
Example Assignments	**Cause-Effect:** Investigate how light, moisture, temperature, and nutrients affect a plant.	**Cause-Effect:** Set up a demonstration showing the effects that overwatering and underwatering have on plant growth and development.	**Definition:** Differentiate among environmental science, natural resources, and conservation.	**Problem-Solving:** Develop a marketing plan for aquatic crops based on the local geographic region.

Workforce Development (Career and Technical) Education

Business Education

	Principles of Business BE 6200/ME6600	Computerized Accounting I BE 6311	Computer Applications I BE 6411	Business and Electronic Communications BE 6535
NCSCS Objectives which support writing features and/or informational writing types (definition, cause-effect, and problem-solution)	1.01, 1.02, 1.03, 1.04, 1.05, 1.06, 1.07, 2.01, 2.02, 2.03, 2.04, 3.01, 3.02, 3.03, 3.04, 3.05, 4.01, 4.02, 4.03, 4.04, 5.01, 5.03, 5.04, 5.05, 5.06, 5.07, 5.08, 7.01, 7.02, 7.04, 8.01, 8.02, 8.03, 8.05, 9.01, 9.02, 9.03, 9.04, 9.05, 10.01, 10.02, 10.03, 11.02, 11.03, 11.04	8.01, 8.03	1.01, 1.02, 7.01, 7.02, 7.03, 7.04, 7.05, 9.01, 9.02	1.01, 1.02, 1.03, 1.04, 1.05, 1.06, 2.01, 2.02, 2.03, 3.01, 3.02, 3.03, 3.04, 4.01, 4.02, 7.01, 7.02, 8.01, 8.02, 9.01, 10.01, 10.02, 10.03, 11.01, 11.02, 11.03, 12.01, 12.02
Example Assignments	**Definition:** How does a consumer contribute to the Free Enterprise System?	**Cause-Effect:** What are the effects of unethical behavior of accountants on their own corporation and on the economy as a whole?	**Problem–Solution:** The entertainment industry claims lost revenue due to the illegal copying of music and movies. Explain how the industry might overcome this problem.	**Cause-Effect:** How does the nature of the Internet contribute to the accuracy or inaccuracy of information distributed on the Internet?

Workforce Development (Career and Technical) Education

Business Education (cont.)

	Keyboarding BE 6512	Business Law BE 6215	e-Commerce BE 6413	Computer Applications II BE 6412
NCSCS Objectives which support writing features and/or informational writing types (definition, cause-effect, and problem-solution)	1.03, 2.01, 2.02, 2.03, 3.02, 9.03, 11.01, 11.03, 13.03, 14.06	1.01, 1.05,2.01, 2.03, 2.04, 2.05, 3.02, 4.02, 5.01, 5.03, 7.01, 7.02, 7.03, 8.01, 8.02, 8.03, 9.01, 10.01, 10.02, 11.01, 11.02, 11.03, 12.02, 13.01, 13.02, 14.01, 14.02, 14.04, 14,05, 14,06, 15.02, 15.03, 15.04, 16.01	1.01, 1.02, 2.01, 2.02, 2.03, 3.01, 3.03, 4.01, 4.02, 5.01, 5.02, 6.01, 8.01, 8.02, 8.03	1.02, 2.02, 3.02, 3.03, 5.01, 5.02, 5.04, 6.03, 7.01, 7.02, 7.04
Example Assignments	**Cause-Effect:** What are the security and confidentiality issues related to data, hardware and software?	**Problem-Solution:** You need to apply for a loan to supplement the payment on your school bill. Determine the procedures for borrowing money from a financial institution.	**Definition:** How does the use of "cookies" affect an individual's privacy?	**Problem-Solution:** Plan a multimedia presentation to illustrate a FBLA service project. Convince your class that your plan will work.

Workforce Development (Career and Technical) Education

Career Management

	Career Management		
NCSCS Objectives which support writing features and/or informational writing types (definition, cause-effect, and problem-solution)	1.01, 1.04, 2.01, 2.02, 4.01, 4.02, 4.03, 4.04, 4.05, 5.01, 5.05, 6.01, 6.02, 6.03, 6.04, 7.01, 7.02, 7.03, 7.04, 7.05, 7.06, 7.07, 7.08, 9.02, 9.03, 9.05, 11.04 12.01, 12.02, 12.08		
Example Assignments	**Definition:** What is an avocation and how might it lead to career changes later in life?	**Cause-Effect:** Write an essay that explains five reasons why people work.	**Problem-Solution:** Your family will be spending the summer in Canada; you want to get a summer job. Investigate three ways to find a summer job and still get to go with your family.

Workforce Development (Career and Technical) Education

Family and Consumer Sciences

	Clothing Design	Culinary Arts and Hospitality I	Culinary Arts and Hospitality II	Early Childhood Education I	Early Childhood Education II
NCSCS Objectives which support writing features and/or informational writing types (definition, cause-effect, and problem-solution)	1.02, 1.03, 1.04, 2.01, 2.02, 2.03, 3.01, 3.02, 3.03, 3.04, 4.01, 4.02, 4.03, 5.08, 6.01, 6.02, 6.03, 7.01, 7.02, 8.01, 8.02, 9.01, 9.02, 10.01, 10.02, 11.01, 11.02, 12.01, 12.02, 12.03, 13.01, 13.02, 14.01, 14.02	1.01, 1.02, 2.01, 2.02, 2.04, 2.05, 2.06, 3.01, 3.02, 3.03, 3.05, 4.01, 4.02, 4.03, 4.04, 4.05, 4.06, 5.03, 6.01, 6.02, 6.03, 6.04, 6.05, 6.06, 7.01, 8.01, 9.01, 10.1, 11.01, 12.01, 12.02, 13.01, 14.01, 14.05, 15.01, 15.02, 15.03, 16.04, 18.02, 18.03	1.01, 1.03, 2.01, 2.02, 3.01, 3.02, 4.01, 4.03, 5.01, 5.02, 5.03, 5.04, 5.06, 5.07, 6.01, 6.02, 7.01, 7.02, 7.03, 7.04, 7.05, 8.01, 8.02, 9.01, 9.03, 10.01, 10.02, 10.04, 10.06, 11.01, 11.02, 11.03, 11.05, 12.01, 12.02, 12.04, 13.01, 13.02, 13.04, 14.01, 14.04	1.01, 1.02, 1.03, 1.04, 2.01, 2.02, 2.03, 3.01, 3.02, 3.03, 4.01, 4.02, 5.01, 5.02, 6.01, 6.02, 6.03, 7.01, 7.02, 8.01, 8.02, 9.01, 9.02, 10.01, 10.02, 11.01, 11.02, 12.01, 12.02, 13.01, 13.02, 13.03, 14.02, 14.03, 15.01, 15.02, 15.03, 15.04	1.01, 1.02, 2.01, 2.02, 3.01, 3.02, 4.01, 4.02, 5.01, 5.02, 6.01, 6.02, 7.01, 7.02, 7.03, 7.04, 8.01, 8.02, 8.03, 9.01, 9.02, 9.03, 9.04, 10.01, 10.02, 11.01, 11.02, 11.03, 11.04
Example Assignments	**Problem-Solution:** Nine-year-old Samantha came home from school with a grape juice stain on her light blue cotton/linen blend slacks. What is the best procedure for removing the stain?	**Cause-Effect:** Food borne illnesses are a major concern in the food industry. Explain the effect improper storage and handling of poultry may have on customers who ingest the meat.	**Problem-Solution:** You have a Culinary Arts degree. You have recently moved to a small Midwest town and would like to open your own restaurant. What process would you use to determine the type, size, and location of your restaurant?	**Definition:** Cite the differences between a running record, anecdotal record, and event sample. Cite the differences between a time sample and frequency count. State reasons why you would use a checklist observation.	**Problem-Solution:** You are planning to open a child care facility to accommodate 60 children. Design square footage and classrooms on graph paper or computer. Include furnishings, equipment, and supplies for each classroom within a $50,000 budget.

Workforce Development (Career and Technical) Education

Family and Consumer Sciences (cont.)

	Foods and Nutrition	Life Management	Interior Design and Housing	Parenting and Child Development	Teen Living
NCSCS Objectives which support writing features and/or informational writing types *(definition, cause-effect, and problem-solution)*	1.01, 1.02, 2.01, 2.02, 3.01, 3.02, 4.01, 4.02, 5.01, 5.02, 6.01, 6.02, 6.03, 7.01, 7.02, 7.03, 7.04, 7.05, 7.06, 7.07, 8.01, 8.02, 9.01, 9.02, 10.01, 10.02, 10.03	1.01, 1.02, 1.03, 1.04, 2.01, 2.02, 2.03, 2.04, 3.01, 3.02, 3.03, 4.01, 4.02, 5.01, 5.02, 6.01, 6.02, 6.03, 6.04, 6.05, 6.06, 7.01, 7.02, 8.01, 8.02, 9.01, 9.02, 9.03, 9.04, 9.05, 9.06, 10.01, 10.02, 10.03, 11.01, 11.02, 11.03, 11.04, 11.05, 11.06, 11.07	1.01, 1.02, 1.03, 2.01, 2.02, 2.03, 3.01, 3.02, 3.03, 3.04, 4.01, 4.02, 4.03, 5.01, 6.01, 7.01, 7.02, 7.03, 7.04, 8.01, 8.02, 8.03, 9.01, 9.02, 9.03, 10.01, 11.01, 11.02, 11.03, 11.04, 11.05, 12.01, 12.02, 12.03	1.01, 1.02, 1.03, 2.01, 2.02, 2.03, 2.04, 3.01, 3.02, 3.03, 4.01, 4.02, 4.03, 5.01, 5.02, 5.03, 6.01, 6.02, 7.01, 7.02, 8.01, 8.02, 8.03, 9.01, 9.02, 10.01, 10.02, 11.01, 11.02, 11.03, 12.01, 12.02, 13.01, 13.02, 14.01, 14.02, 14.03, 15.01, 15.02, 16.01, 16.02, 17.01, 17.02	1.01, 1.02, 1.03, 2.01, 2.03, 3.01, 3.02, 4.01, 4.02, 4.03, 5.01, 5.02, 5.03, 5.04, 6.01, 6.02, 6.03, 6.04, 7.01, 7.02, 8.01, 8.02, 8.03, 9.01, 9.02, 9.03, 9.04, 10.01, 10.02, 10.03, 11.01, 11.02, 11.03, 11.04, 12.01, 12.02, 13.01, 13.02, 13.03, 14.02, 15.01, 15.02, 15.03, 16.01, 16.02, 16.03,16.04, 16.05, 16.06
Example Assignments	**Cause-Effect:** Different foods have different nutrient content. Explain the effect of the nutrient content of red meat on people with heart problems and goiter.	**Problem-Solution:** Choose a career that you feel would work best with your personal assets. Explain how this profession will satisfy your needs for self-expression, personal growth, and interaction with others.	**Problem-Solution:** Your family is purchasing new appliances for their kitchen. You job is to research the best models and brands to meet the needs of your family. What process would you use?	**Problem-Solution:** Explain how a child's cultural background and family affect physical, intellectual, emotional, and social growth and development.	**Problem-Solution:** Your friend constantly argues with his/her parents. Your friend's parents have observed that you get along well with your parents and would like your help. What strategies will you use to help your friend?

Workforce Development (Career and Technical) Education

Health Occupations

	Biomedical Technology	Health Team Relations	Allied Health Sciences I	Allied Health Sciences II	Medical Sciences I	Medical Sciences II
NCSCS Objectives which support writing features and/or informational writing types (definition, cause-effect, and problem-solution)	1.01, 1.02, 1.03,2.01, 2.02, 2.03, 5.01, 6.02, 6.03, 7.01, 7.04, 8.01, 8.02, 9.01, 9.02, 9.03, 9.04, 10.01, 10.02	1.01, 1.02, 2.01, 2.02, 3.01, 3.02, 4.02, 5.01, 5.02, 6.01, 6.03, 7.03, 8.02, 8.03, 9.03, 10.01, 10.02, 11.02, 12.01, 13.01, 14.02	2.01, 2.02, 2.03, 3.01, 3.02, 4.01, 4.02, 4.03, 5.02, 5.03, 6.01, 6.03, 7.02, 7.03, 8.02, 8.04, 9.01, 9.02, 9.03, 9.04, 10.03, 11.02, 11.03, 15.03, 16.02, 16.03, 17.02, 17.05, 18.01, 18.02, 18.03, 18.04	1.01, 2.01, 2.02, 2.03, 3.02, 4.02, 9.01, 12.02, 10.01, 14.02, 15.0	1.01, 3.01, 3.02, 4.01, 4.02, 4.03, 5.02, 6.01, 6.03, 7.02, 7.03, 8.02, 8.04, 9.01, 9.02, 9.03, 9.04, 10.3, 11.02, 11.03, 12.04, 12.05, 14.03, 16.02, 16.03, 17.02, 17.05, 18.01	1.01, 1.03, 2.02, 3.01, 3.02, 4.01, 4.02, 5.01, 5.02, 6.01, 6.02, 7.02,8.01, 8.02, 10.01, 10.02, 10.03
Example Assignments	**Definition:** What is ultrasonography? What are two examples of how it is used in diagnosing disease?	**Cause-Effect:** Write an essay describing the negative impact of an alcoholic on his/her family.	**Definition:** Compare and contrast arthritis and osteoporosis.	**Cause-Effect:** Write a "letter to the editor" supporting hospice care in your community. Include your research of the benefits to patients and their families.	**Problem-Solution:** Your pediatric patient needs a blood transfusion. The family's religious beliefs do not support this treatment. What are the options for the health care team?	**Problem-Solution:** Tattoos and body piercing are becoming increasingly popular among teens. Explain strategies which might be used to educate teens about the health risks of these procedures.

Workforce Development (Career and Technical) Education

Marketing

	Small Business Entrepreneurship ME6615/BE6235	Marketing ME6621	Marketing Management ME 6622	Fashion Merchandising ME 6631
NCSCS Objectives which support writing features and/or informational writing types (definition, cause-effect, and problem-solution)	2.01, 2.02, 2.03, 2.04, 2.05, 2.06, 3.01, 3.02, 3.03, 3.04, 3.05, 4.01, 4.02, 4.03, 5.01, 5.02, 6.01, 6.02, 6.03, 7.01, 7.02, 8.01, 8.02, 9.01, 9.02, 9.03, 9.04, 9.05, 9.06, 9.07, 9.08, 9.09, 10.01, 10.02, 10.04, 11.01, 11.02, 12.01, 12.02, 12.03	2.01, 2.02, 2.03, 2.04, 3.01, 3.02, 3.03, 3.04, 4.01, 4.02, 4.03, 5.01, 6.01, 6.02, 6.03, 6.04, 6.05, 7.01, 7.02, 8.01, 8.02, 8.03, 8.04, 8.05, 9.01, 9.02, 9.03	2.01, 2.03, 2.04, 2.06, 2.11, 3.01, 3.02, 3.03, 4.01, 4.02, 4.03, 4.04, 5.01, 5.02, 6.01, 6.02, 6.03, 6.06, 7.01, 7.02, 8.01, 8.02, 8.04, 8.05, 9.01, 9.02	2.01, 2.03, 2.04, 3.01, 3.02, 3.03, 3.04, 4.01, 4.03, 4.05, 5.01, 5.02, 5.03, 5.04, 6.01, 6.02, 6.03, 7.01, 7.02,
Example Assignments	**Cause-Effect:** What are the major factors contributing to the success of a small business?	**Problem-Solution:** A local business sponsors a NASCAR race team whose driver has recently been arrested for a crime. How should the company react to ease the negative publicity resulting from this event?	**Definition:** What is meant by Business Image?	**Problem-Solution:** You own a large garment manufacturing company in North Carolina. How do offshore production issues affect your company?

Workforce Development (Career and Technical) Education

Technology Education

	Fundamentals of Technology	Communication Systems	Scientific & Technical Visualization II
NCSCS Objectives which support writing features and/or informational writing types (definition, cause-effect, and problem-solution)	1.01, 1.02, 1.03, 1.04, 1.05, 1.06, 2.03, 2.05, 3.01, 3.03, 3.04, 4.05, 5.02, 5.04, 6.01, 6.02, 6.04, 7.01, 7.03, 7.06, 7.07, 7.09, 7.11	1.01, 1.02, 1.03, 2.01, 2.02, 3.01, 3.03, 4.01, 4.02, 5.01, 7.02, 8.01, 9.01, 10.01, 11.03	1.01, 1.02, 2.01, 2.03, 3.01, 4.01, 4.03, 5.01, 5.02, 6.01, 6.02, 6.03
Example Assignments	**Problem-Solution:** Write a design brief focusing on the solution to a manufacturing problem.	**Definition:** Define the major concepts that are essential to understanding communication technology. **Cause-Effect:** Evaluate the impact of communication messages on the individual and society.	**Problem-Solution:** Present a complex visualization of a scientific concept or principle.

Workforce Development (Career and Technical) Education

Trade and Industrial Education

	Construction Technology I	Masonry I	Computer Engineering Technology I	Printing Graphics I	Automotive Service Technology I	Network Engineering Technology I
NCSCS Objectives which support writing features and/or informational writing types (definition, cause-effect, and problem-solution)	2.01, 2.02, 3.01, 3.03, 9.00	2.03, 4.04, 7.01, 8.02	1.01, 2.01, 3.01	2.01, 3.02, 6.01, 9.03	2.01, 2.02, 2.03, 3.01, 3.04, 3.05, 4.03	2.02, 2.06, 4.07, 5.01
Example Assignments	**Cause-Effect:** What happens on the job-site when standard building procedures and codes are ignored?	**Definition:** What are the properties of each ingredient in mortar?	**Problem-Solution:** Describe the standards, troubleshooting flow process, and actions when faced with a CPU that will not boot.	**Cause-Effect:** Using your favorite graphics specific software application as the example, describe the cause –effect relationship to optimal digital file preparation.	**Cause-Effect:** Describe the history of the automobile and its impact on the economy.	**Definition:** What is the OSI Model and why does it exist?

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